

WHAT IS CLAIMED IS:

1. A vehicular headlamp used in an automobile, comprising:
a light source operable to generate light;
a light transmitting member formed from material transmitting said light;

a reflector, formed on at least a part of a surface of said light transmitting member, operable to reflect said light incident via said light transmitting member from said light source, said reflector having an optical center near said light source; and

a lens, formed integrally with said light transmitting member, operable to deflect said light reflected by said reflector to direct said light to an outside of said vehicular headlamp.

2. A vehicular headlamp as claimed in claim 1, wherein said light source includes a semiconductor light emitting device, and

said light transmitting member has an accommodating portion near said optical center, operable to accommodate at least a part of said light source to be opposed to at least a part of said reflector.

3. A vehicular headlamp as claimed in claim 2, wherein said light source further includes a sealing member formed from material transmitting said light, operable to seal said semiconductor light emitting device,

said accommodating portion accommodates at least a part of said sealing member, and

a refractive index of said light transmitting member is approximately equal to or larger than a refractive index of said sealing member.

4. A vehicular headlamp as claimed in claim 1, wherein said vehicular headlamp emits light ahead of the automobile,

said light transmitting member transmits said light reflected by said reflector ahead,

a light blocking member formed from material transmitting no light generated by said light source integrally with said light transmitting member is further provided for blocking a part of said light transmitted ahead by said light transmitting member at an edge,

said reflector reflects said light generated by said light source toward a position near said edge of said light blocking member, and

said lens irradiates light that forms at least a part of a cut line for defining a boundary between a bright region and a dark region in a light distribution pattern of said vehicular headlamp based on a shape of at least a part of said edge of said light blocking member.

5. A vehicular headlamp as claimed in claim 4, wherein said reflector is a first reflector, formed to cover said light source from behind, operable to reflect said light generated by said light source to a position near a front edge of said light blocking member, and

said light blocking member is formed by a second reflector provided on a part of said surface of said light transmitting member to be opposed to said first reflector with said light transmitting member sandwiched therebetween.

6. A vehicular headlamp as claimed in claim 1, wherein said reflector is formed of metal deposited on at least a part of said surface of said light transmitting member.

7. A vehicular headlamp as claimed in claim 1, wherein said light source includes a semiconductor light emitting device, and

said light transmitting member seals said semiconductor light emitting device.

8. A vehicular headlamp for emitting light ahead, comprising:

a light source operable to generate light;

a light transmitting member, formed from material transmitting said light, operable to transmit said light generated by said light source ahead;

a light blocking member, formed from material transmitting no light generated by said light source integrally with said light transmitting member, operable to block a part of said light transmitted ahead by said light transmitting member at an edge; and

a lens, formed integrally with said light transmitting member, operable to irradiate light forming at least a part of a cut line that defines a boundary between a bright region and a dark region in a light distribution pattern of said vehicular headlamp based on a shape of at least a part of said edge of said light blocking member.

9. An optical unit for irradiating light generated by a light source, comprising:

a light transmitting member formed from material transmitting said light;

a reflector, formed on at least a part of a surface of said light transmitting member, operable to reflect said light incident via said light transmitting member from said light source, said reflector having an optical center near said light source; and

a lens, formed integrally with said light transmitting member, operable to deflect said light reflected by said reflector to direct said light to an outside of said optical unit.

10. An optical unit for irradiating light generated by a light source, comprising:

a light transmitting member, formed from material transmitting said light, operable to transmit said light generated by said light source ahead;

a light blocking member, formed from material transmitting no light generated by said light source integrally with said light transmitting member, operable to block a part of said light transmitted ahead by said light transmitting member at an edge; and

a lens, formed integrally with said light transmitting member, operable to irradiate light forming a cut line in a light distribution pattern of a vehicular headlamp based on a shape of at least a part of said edge of said light blocking member.